

Claims

What is claimed is:

1. A method of password verification comprising the steps of:
 - providing a process for transforming at least a variable parameter into an ordered string of characters, wherein the process sometimes results in different ordered strings of characters for a same variable parameter;
 - providing at least a variable parameter as a known password;
 - determining from data available to an individual and from the known password a static string;
 - providing the determined static string as a password for verification; and,
 - verifying the static string to determine that it is an accurate transformation of the at least a variable parameter according to the provided process and when the determination is that the transformation is accurate, providing an indication that the password is verified.
2. A method according to claim 1, wherein the step of verifying the static string includes the steps of:
 - performing the process for transforming at least a variable parameter on the known password to determine a second static string;
 - comparing the provided static string with the second static string to determine a comparison result and,
 - when the comparison result is indicative of a match, providing an indication that the password is verified.
3. A method according to claim 1, wherein the at least a variable parameter includes an uncontrollably variable parameter.
4. A method according to claim 2, wherein the at least a variable parameter includes at least a static parameter.

5. A method according to claim 1, wherein the process includes steps of determining from present time data, a current value for a variable parameter relating to time.
6. A method according to claim 1, wherein the process includes steps of providing data to a user for interpretation by the user and then comparing the user's interpretation to a predetermined known interpretation.
7. A method according to claim 6, wherein the provided data is an image and the interpretation is a string indicative of the image.
8. A method according to claim 1, wherein the known password is provided by a user.
9. A method according to claim 8, wherein the known password is entered as a string of characters and wherein at least a character is indicative of one of a variable parameter and a static parameter.
10. A method according to claim 9, wherein the string of characters is parsable to form the known password, the parsing distinguishing variable parameters from static parameters within the known password.
11. A method of changing dynamic passwords comprising the steps of:
 - providing a string of characters, the string including indications of at least a parameter from a plurality of parameters, the at least a parameter being a variable parameter variable upon predetermined criteria;
 - receiving the provided string of characters; and,
 - storing data based on the known password, the data sufficient for verifying provided passwords to determine their accuracy.
12. A method of changing dynamic passwords according to claim 11, comprising the step of:

with a processor parsing the provided string of characters to distinguish static data from the at least a variable parameter.

13. A method of changing dynamic passwords according to claim 11, wherein the parameters are selected from a plurality of available parameters and wherein the plurality of available parameters are provided to a user for selecting therefrom.

14. A method of changing dynamic passwords according to claim 13, wherein the plurality of available parameters are each represented by an identifier and wherein the identifier for a given parameter in one instant is different from the identifier for a same parameter in another instant.

15. A method of changing dynamic passwords according to claim 11, wherein the step of storing data based on the known password comprises the steps of:

extracting static data from the known password;

hashing the extracted static data to determine at least a static hash value;

storing the at least a static hash value; and,

extracting dynamic data from the known password and storing indications of the dynamic data.

16. A method of verifying a dynamic password comprising the steps of:

receiving a password comprising a string of characters wherein the characters are sequenced according to a predetermined sequence of variable parameters and static parameters;

identifying static parameters within the string of characters;

determining dynamic parameter values related to the dynamic parameters in accordance with the predetermined sequence ;

comparing static parameters received within the string of characters with previously stored static parameters and the received dynamic parameter within the determined dynamic parameters to determine a first comparison result;

wherein upon both the first comparison result being indicative of a match, the dynamic password is validated.

17. A method of generating a dynamic password comprising the steps of:

providing a process for transforming at least a variable parameter into an ordered string of characters, wherein the process sometimes results in different ordered strings of characters for a same variable parameter; and,

providing at least a variable parameter as a password, the provided variable parameter provided by an individual via a data entry device.

18. A method of generating dynamic passwords according to claim 17, wherein the plurality of variable parameters comprises uncontrollably varying parameters.

19. A method of generating dynamic passwords according to claim 18, wherein the predetermined criteria for varying the variable parameters is characteristic of a time frame.